



GAS & SPECIALTY SENSORS

CO₂, HUMIDITY, AND TEMPERATURE TRANSMITTER

T8000 SERIES TELAIRE VENTOSTAT

DESCRIPTION

The **Telaire T8000 Series Ventostat CO₂/RH/Temperature Transmitter** is the next generation CO₂ sensors from GE Sensing. Each GE Ventostat comes with a passive 10k Type II thermistor and has simultaneously active voltage and current outputs for CO₂ measurement. The **T8100** and **T8300** features reliable automatic calibration using patented Telaire ABC logic that will ensure accurate and stable calibration for the lifetime of the sensor. The **T8200** offers an accurate solution for hospitals and other full time operational 24 hours a day facilities. Both the **T8100** and the **T8200** are available with optional and selectable analog humidity and temperature outputs. The **T8300** offers all of the accuracy of the **T8100** but utilizes a pitot tube kit for measuring duct levels of CO₂.

NEW!



Distributor
GE Sensing & Inspection Technologies



FEATURES

- **Simultaneous voltage and current outputs for CO₂**
- **Maintenance free lifetime self-calibration**
- **Passive temperature output**
- **Non-dispersive infrared sensor**
- **Ideal for 24 hours per day facilities (T8200)**
- **Optional display available**
- **Optional active temperature and humidity outputs**

SPECIFICATIONS

Power supply	18-30 VAC, 50/60 Hz; 0.7W @ 24 VAC; 18-42 VDC	Active temperature Thermistor	±0.8% @ 72°F (22°C) 10k Type II, ±1.8°F, 59° to 95°F (±1°C, 15° to 35°C) (±1°C, 15° to 35°C)
Sensing technology		Output	0-5V, 0-10V, or 4-20 mA selectable for CO ₂ , humidity, or temperature (simultaneous current or voltage output for CO ₂)
CO₂	Non-dispersive infrared (NDIR)	Impedance	500Ω
RH	Capacitive polymer	Display (optional)	Scrolling LCD
Temperature	10kΩ Type II thermistor	Response time	5 seconds
Range		Operating range	
CO₂	0 to 2000 ppm	Humidity	0% to 100% RH
Humidity	0 to 99% RH (non condensing)	Temperature	32° to 122°F (0° to 50°C)
Temperature	32° to 122°F (0° to 50°C)	Enclosure	Plastic, UL94-5VA
Accuracy		Approvals	RoHS, CE
CO₂		Weight	0.44 lb (0.2 kg)
T8100/8300	400-1250 ppm: 3% or 30 ppm, whichever is greater; 1250-2000 ppm: ±5% +30ppm	Warranty	1 year (lifetime on calibration)
T8200	10% or 75ppm, whichever is greater		
Humidity	±2.5% RH (20 to 80% RH)		

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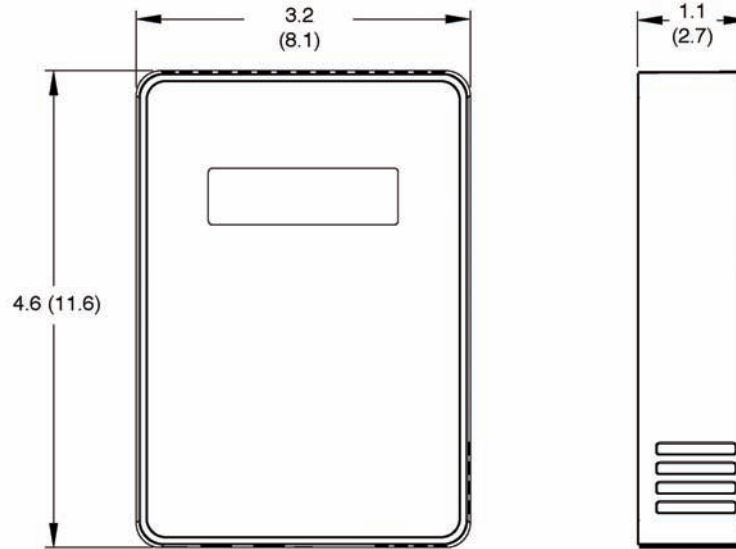


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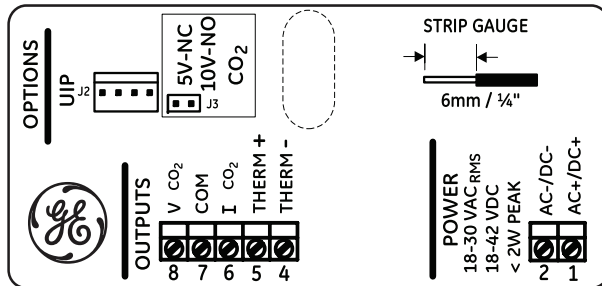
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DIMENSIONS

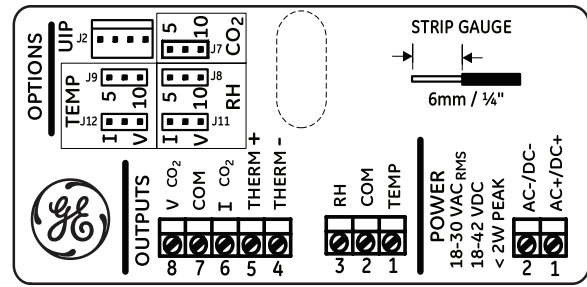
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WIRING



Non-Display Wiring



Display Wiring

ORDERING INFORMATION

MODEL

T8100	Wall-mount CO ₂ sensor, no display, white
T8100-B	Wall-mount CO ₂ sensor, no display, black
T8100-DB	Wall-mount CO ₂ sensor, LCD display, black
T8100-D	Wall-mount CO ₂ sensor, LCD display, white
T8100-H	Wall-mount CO ₂ , RH, and active temperature
T8100-HD	Wall-mount CO ₂ , RH, and active temperature, LCD display
T8100-HDB	Wall-mount CO ₂ , RH, and active temperature, LCD display, black
T8200	Wall-mount CO ₂ sensor, no display, white
T8200-D	Wall-mount CO ₂ sensor, LCD display, white
T8200-DB	Wall-mount CO ₂ sensor, LCD display, black
T8200-B	Wall-mount CO ₂ sensor, no display, black
T8300-DB	Duct mount, pitot tube kit CO ₂ sensor LCD display, black
T8300-B	Duct mount, pitot tube kit CO ₂ sensor LCD display, black

*New model, did not replace a prior product

NEW!